

**ROUTING AND RECORD SHEET****SUBJECT:** (Optional)

Weekly Report - 8 August 1984

**FROM:**

Chief, HOME/OL  
3E14 Headquarters

**EXTENSION****NO.****DATE**

8 August 1984

**TO:** (Officer designation, room number, and building)**DATE****RECEIVED****FORWARDED****OFFICER'S INITIALS****COMMENTS** (Number each comment to show from whom to whom. Draw a line across column after each comment.)

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HEADQUARTERS OPERATIONS, MAINTENANCE  
AND ENGINEERING DIVISION, OL  
WEEKLY REPORT FOR PERIOD ENDING 8 AUGUST 1984

I. Progress Report on Tasks Assigned by DCI/DDCI:

No tasks assigned during this reporting period.

II. Items/Events of Major Interest:

a. Quality of Life - Workplace Awareness: The first of three workplace awareness posters has been printed and was posted throughout Headquarters Building on 6 August 1984. The poster alerts employees to a possible cost of \$14.06 to the food service operation for articles removed from the cafeteria and suggests that disposables be used for takeout meals.

b. VEPCO Substation Failure: On Saturday morning, 4 August 1984, the VEPCO transformer supplying electrical service to the McLean area failed. The Fairfax County Fire Department was summoned to the area as a precautionary measure. The damaged transformer was left out of service after the McLean load was transferred to other transformers in the yard.

VEPCO's corrective action created an unbalanced condition within our distribution system which required the use of one of the emergency generators to compensate and prevent a partial power outage of the powerhouse. The emergency generator was on line until after 1730 hours on 6 August 1984.

A VEPCO representative advised that the current situation could last between three and six weeks depending on the availability of parts to repair the transformer. The Engineering and Construction Branch, OL/HOME, is studying alternative solutions to the unbalanced condition which would not require running a generator continuously during peak demand hours.

The electrical service to the Headquarters Compound was not interrupted due to this situation.

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c. Hydraulic Barricades: Installation of the second hydraulic barricade at the Route 123 Entrance to the Headquarters Compound has begun.

e. Briefing on Intergraph Computer Aided Design and Drafting System: On 7 August 1984 a member of ADS gave a briefing on the Intergraph Computer Aided Design and Drafting System (CADDs) to the Information Management Seminar for MI careerists in the DDA.

f. Plans - Headquarters Building: Preliminary plans for the temporary move of the National Intelligence Officers from Room GH-62 to Room 6C-19 were reviewed by the component and returned to ADS on 7 August.

Plans to subdivide Rooms 2D04-08 have been approved by the Offices of Communications and Data Processing.

Preliminary plans for the move of the CAMS Integration Staff, Intelligence Community Staff, DCI, from Room 5E-47 to GH-62 have been prepared. The component is currently reviewing the plans, but tentative approval has been given to the proposed layout.

g. Renovations at Headquarters Building: The Paint Shop completed painting Room GD-5309 for the Office of Communications (OC) this week, and the Carpenter Shop installed the baseboard.

The GSA Plumbing Shop worked overtime this past weekend and completed their portion of the repair and replacement of valves in the air handler unit in Room GH-24 for the Office of Current Production and Analytic Support, DDI. The remaining work by the engineers is 75 percent complete.

The GSA Electric Shop has started the relocation of critical power in Room GG-10 for the Career Management Staff, DO. This was necessitated by a change in the primary entrance to the vault.

A 50 percent on-board review of the design for renovations in Rooms GE02-GD79 for OSO was held on 2 August 1984. Representatives from OSO, OC, the Safety Staff, OL/HOME,

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the Architect-Engineer, and Nash Love and Associates, Inc., were in attendance. The design is scheduled for completion by the end of August to allow E&CB to award a construction contract by 1 October 1984 in order that OSO may obligate FY-84 funds.

The contractor has started demolition in vacant areas of the 5E Corridor. Final drawings and specifications for renovations were delivered to the contractor on 31 July 1984 for a cost proposal.

h. Emerson 60Hz UPS: Module No. 5 of the Emerson UPS, which was shut down on Saturday, 28 June 1984, to protect the system from over-voltage, was repaired and brought back on line on 1 August 1984. The malfunction of the module was found to have been caused by a foreign object at the base of a control card which was creating an intermittent loss of control.

i. APARS Feeder Modifications: Electric Service Company, the construction contractor, completed the installation of the conduit runs to the fifth floor. A partial power outage had been scheduled for each APARS station to allow for final hookup. Outages have been scheduled as follows: Room 2D39, Wednesday, 8 August, between 1030 hours and 1400 hours; Room 5D09, Thursday, 9 August, between 1030 hours and 1500 hours; and Friday, 10 August, between 1030 hours and 1500 hours.

j. P&P Laserite, Gym HVAC, and ODP Renovations: The construction contract for the installation of the Laserite Printer in the Printing and Photography Building, the computer interfacing between Rooms GC03 and GE40, and the air handler installation in the Gym was awarded to BCM Corporation. The preconstruction meeting has been scheduled for 15 August 1984.

k. Headquarters Overhead Lighting Surveys and Reactivation: From 1 May 1984 to the present, 41 lighting surveys have been conducted by E&CB. As a result, 183 overhead lighting fixtures in office areas throughout the building have been repaired and reactivated. At present, approximately 25 fixtures remain to be repaired and reactivated. This effort has enabled E&CB to catch up on the backlog of existing work orders requesting this service.

The existing overhead lighting diffusers in the DDA offices and reception area in 7D24 have been converted to a lightweight styrene diffuser, with good results. Overall lighting was increased by over 40 percent by the new diffusers and the installation of new energy-efficient type fluorescent tubes. These lightweight styrene diffusers are part of a lighting experiment being conducted by E&CB in conjunction with improving lighting levels in the Headquarters Building.

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1. Backdraft Damper Replacement: A study by E&CB revealed the existing backdraft dampers in the return air plenums in the North and South Penthouse Fan Room were operating incorrectly, which resulted in reduced air flows throughout the second through seventh floors of the Headquarters Building. A corrective design was completed, and a contract was awarded to Dixie Sheet Metal Works, Inc., on 20 July 1984 for \$7,128.00. Work is scheduled for completion by the end of September 1984.

m. Chilled Motor Failure: The Number Four Chiller Motor, rated 1,500 horsepower, 4.16 KV synchronous, experienced a field failure on 24 July 1984. The motor was disassembled and the rotor removed to Central Armature Works for the rewinding of all six shunt field coils. Repair is expected to require four to five weeks.

n. Contracts Staff: Since 1 April 1984, the new Contracts Staff has awarded 17 contracts and has four contracts on the street for proposals and five contracts in process, for a total dollar value of \$3,244,924.79.

### III. Significant Events Anticipated During the Coming Weeks:

a. Transformer Relocation: Work has started on the relocation of our #1 transformer rated 3,750 KVA-13.2/4.16 KV. When the preliminary work is accomplished and all major material is onsite, the transformer will be deenergized and moved. During this transition, we will operate a generator throughout the high load period each day to augment the remaining duplicate #2 transformer. This is planned to be for a four-week period, starting 13 August 1984.

b. Headquarters Compound Domestic Water Test: A waterflow test on the underground domestic water lines on the Headquarters Compound to check their adequacy for fire protection is tentatively scheduled for Wednesday, 22 August 1984. Representatives from Smith, Hinchmann & Grylls Associates, Inc., will conduct the test under a contract with E&CB. Safety Staff, E&CB, and GSA personnel will assist with the test.

A similar test was conducted earlier this year and the conclusion drawn that the domestic water lines were deficient in allowing for adequate fire protection due to partial reduction in pipe diameter as a result of scale buildup. It was decided to conduct a second confirming test prior to undertaking any expensive corrective actions.

The test will run from approximately 0900 hours through 1600 hours. It is anticipated that all water flow to

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the site will have to be shut off for several 5-minute intervals during the day. Discoloration of the water will also probably result from these tests.

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Chief

Headquarters Operations, Maintenance  
and Engineering Division, OL

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